

IN THE CLAIMS:

1. (Currently Amended) A breast cap insert for a breast pump, ~~which~~ the breast cap insert ~~is being~~ designed to overlie on an the areola of a female breast during use, said breast cap insert comprising a frustoconical base body with a large rear opening and a small front opening, said base body being designed to be received in a funnel of a breast cap, ~~characterized in that~~ wherein the frustoconical base body is at least partly made of a heat-accumulating ~~and/or~~ or a heat-conducting material and is warmed during use to a temperature chosen by a mother, this the warming not exclusively taking place through transfer of body temperature from the female breast, and wherein said base body is provided with at least one resistance heating element, and the breast cap insert has an electrical contact communicating with the at least one resistance heating element.

2. (Currently Amended) The breast cap insert as claimed in claim 1, in which the base body has an inner cone wall and outer cone wall which form a chamber, the chamber being provided with a heat-accumulating ~~and/or~~ or a heat-conducting filler medium.

3. (Previously Presented) The breast cap insert as claimed in claim 2, in which at least the inner cone wall is elastically deformable.

4. (Previously Presented) The breast cap insert as claimed in claim 2, in which the filler medium is a gel.

5. (Cancelled).

6. (Currently Amended) A breast cap insert for a breast pump, the breast cap insert being designed to overlie at least the areola of a female breast during use, said breast cap insert comprising a frustoconical base body with a large rear opening and a small front opening, said base body being designed to be received in a funnel of a breast cap, wherein the frustoconical base body is at least partly made of a heat-accumulating or a heat-conducting material and is warmed during use to a temperature chosen by a mother, which is above-body temperature ~~The breast cap insert as claimed in claim 1, wherein said breast cap insert is provided with a trigger means~~ for activating a heating system arranged in the funnel of the breast cap during use.

7. (Currently Amended) The breast cap insert as claimed in claim 1, ~~wherein with means for securing~~ the base body is secured to ~~in~~ the funnel of the breast cap.

8. (Currently Amended) The breast cap insert as claimed in claim 7, wherein the base body is secured to the funnel of the breast cap by ~~in which the means for securing the base body is~~ a collar surrounding the large opening.

9. (Currently Amended) A breast cap insert for a breast pump, ~~which~~ the breast cap insert ~~is being~~ designed to overlie on an ~~the~~ areola area of a female breast during use, said breast cap insert comprising a frustoconical base body with a large rear opening and a small front opening, said base body being designed to be received in a funnel of a breast cap, ~~characterized in that~~ wherein at least the base body is made of a ~~foam or a foam-like material, in particular of~~ polyurethane foam or a polyolefin foam, which is capable of absorbing heat to raise the temperature of said base body for warming the breast in use.

10. (Cancelled).

11. (Currently Amended) A breast cap of a breast pump for use with a breast cap insert as claimed in claim ~~1~~ 5, in which the funnel of the breast cap has electrical contact elements ~~for making contact~~ engaging with the electrical contact ~~elements~~ of the insert.

12. (Currently Amended) A breast cap of a breast pump for use with a breast cap insert as claimed in claim 6, in which the ~~breast cap has a~~ heating system for warming the insert fitted in the breast cap, ~~and~~ has a switch which is connected to the heating system and makes contact with the trigger ~~means~~ of the insert.

13. (New) A breast cap insert for a breast pump, the breast cap insert is designed to lie over the areola of a female breast during use, said breast cap insert comprising a frustoconical base body with a large rear opening and a small front opening, said base body being designed to be received in a funnel of a breast cap, wherein the frustoconical base body is at least partly made of a heat-accumulating or a heat-conducting material and is warmed during use to a temperature chosen by a mother, the warming not exclusively taking place through transfer of body temperature from the female breast, wherein said material is a medical paraffin oil or petrolatum.

14. (New) An insert for a breast pump, the insert being designed to removably fit within a funnel of a breast pump and cover the areola and at least some surrounding breast tissue of a female breast during use, said insert comprising a base body with a large opening through which the areola is received extending to a small opening, said base body being heat-conducting and containing an element carried by said base body whose temperature can be raised by a source of energy external to said base body to a temperature desired by a user, the warming not exclusively taking place through transfer of body temperature from the female breast.

15. (New) The insert of claim 14 wherein said source of energy is a resistive heating component in said funnel which communicates with said element to heat said element.

16. (New) The insert of claim 15 wherein said resistive heating component engages with said element through proximate contact.

17. (New) The insert of claim 14 wherein said source of energy transfers energy to said element through conduction heating.